

INFOTEC INC.



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Programming Systems Group

April 24, 1967

Mr. T. Nelson, Consultant
Box 1546
Poughkeepsie, New York 12603

Dear Mr. Nelson:

Thank-you for your interest in Infotec's DPI-1. Our engineering staff has developed the DPI-1 in order to provide a low cost, efficient linkage between a remote I/O terminal, and the central business location. I am pleased to send you our preliminary brochure so that you may be able to make an initial evaluation on this product.

If additional specifications are required by you, I will make myself available to any questions which you may have. Please feel free to call on me. Again, let me thank you for your inquiry.

Very truly yours,

INFOTEC, INC.

A handwritten signature in blue ink, appearing to read 'Frank J. Iazzetta', written over the printed name.

Frank J. Iazzetta
Sales Manager

FJI/bs
enclosure

DPI-1

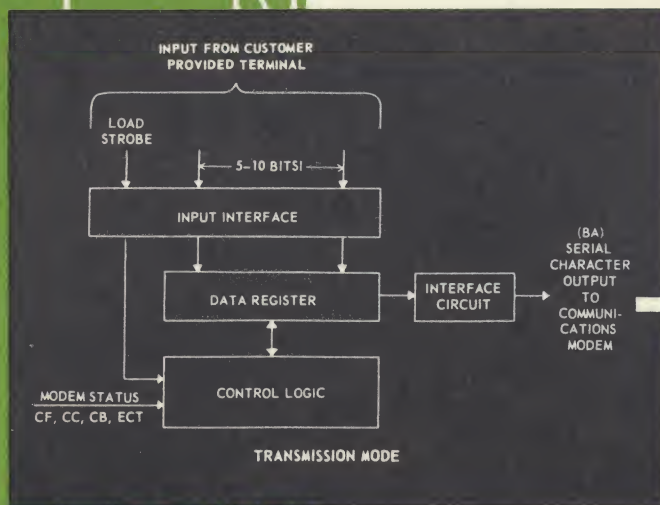
Digital Communication Linkage (Remote)

the new "black box"
that talks the computer's
language on the telephone



INFOTEC

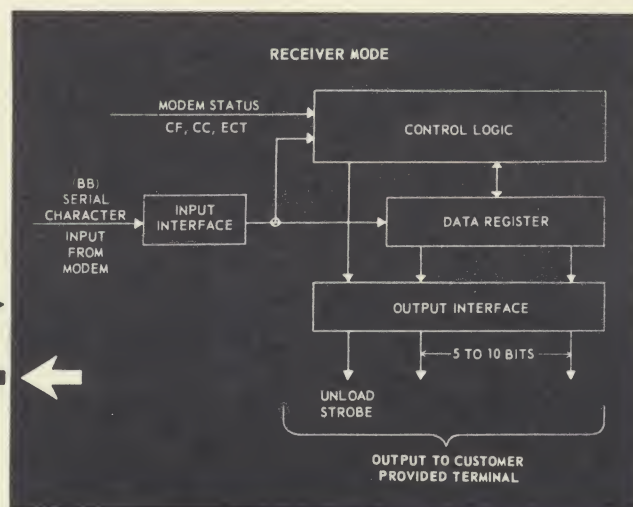
REMOTE TERMINAL DEVICES



Now-with the Info
two-way conversation

VERSATILE, ECONOMICAL

Here is the efficient solution to the rapidly expanding needs of modern business and industry for computer communication. The DPI-1 provides flexible, low-cost linkage between a remote I/O terminal and a central business location. It reduces necessity for separate data-processing equipment at the remote terminal and increases efficiency of the existing business machine operation. It may be used as a single-channel complete system, operating in half-duplex, or optionally, in a full-duplex mode.



Infotec DPI-1 any user can conduct a
with a computer—on the telephone!



ELECTRONIC "TRANSLATORS"

Complete control, at both the user's location and at the remote computer site, is achieved by the DPI-1 and DPI-2 series of interfaces. These have been designed to convert **character or word output** of a computer I/O device to a format suitable for the Bell System family of Data-phones* — or to a format compatible with all other popular modems.

The parallel data codes which are transmitted or received may be of any coding structure. Character size, signal sense and level may be specified in detail by the user.

DPI-2 Digital Communication Linkage (Proximate)

This unit interfaces with the computer (when required) and serves as the originating link between the computer and the communication modem. Optionally, the DPI-2 has a multiplexor unit which permits the selective addressing and control of multiple data lines. The DPI-2 serves as an extremely economical substitute for computer-provided communications control devices.

PRECISION CRAFTED

Modular packaging is utilized for flexible, easily implemented digital communication. The DPI-1 is compact: only 10"x14"x2" as a base for a data set (also available rack mounted). Integrated circuits are used wherever possible for reliability. It contains a built-in clock generator to control the baud rate, while the external equipment determines character rate. An option permits the user to receive a ready-busy signal. The I/O circuits are made from discrete components and housed in replaceable modules. All components are mounted on printed circuit boards for easy maintenance.

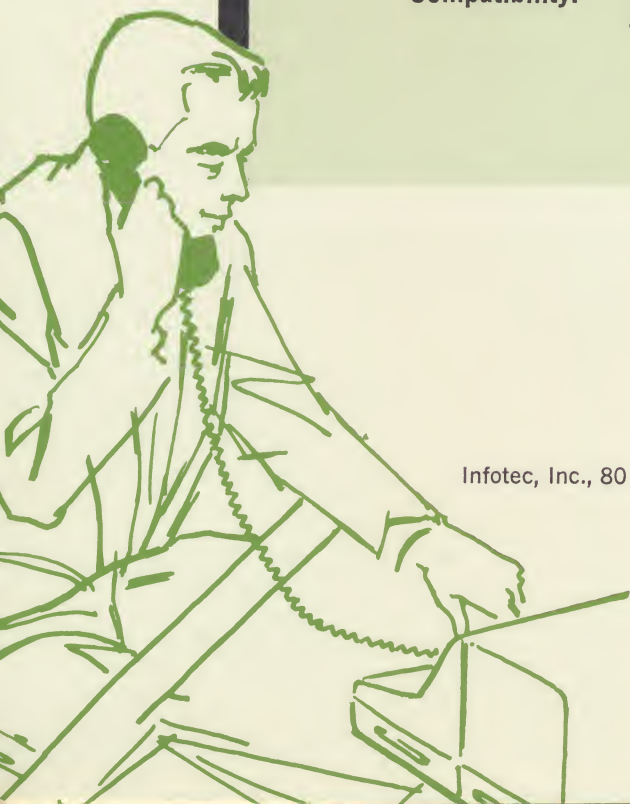
**The DPI-1 has been proved in service.
Infotec produces linkages
for the pace-setters in the EDP field,
including Bell Telephone Laboratories.**

(See next page for full specifications) . . .



DPI-1 SPECIFICATIONS

- Codes:** Parallel codes converted to serial pattern: 5 level Baudot, 7 level IBM BCD, 8 level ASCII, or IBM EBCDIC.
- Character Size:** Customer set between 5 to 10 bits.
- Parity:** Parity generation and check optional at additional cost.
- Modem Interface:** Electronic Industries Assoc. Std. RS-232 B. For special systems and certain modems, may be obtained with line relays to operate 60 ma DC teleprinter loops.
- Data Rate:** Standard Transmission Rates 45 and 4800 Baud. For closed circuit use up to 100,000 Baud.
- Input:** Any input between +10.0V and -10.0V specify levels. **Threshold Level Input:** Factory set. **Rise Time In:** 1 micro sec. **Input Impedance:** Greater than 10K.
- Output:** Any output between +10.0V and -10.0V specify levels.
- Power:** + 8 to + 18VDC at 0.5 amp. max. -8 to -18VDC at 0.5 amp. max. Internal power supply is available for use with 115U AC line at additional cost.
- Circuits:** Discrete components and integrated circuit logic.
- Dimensions:** 10"x14"x2". Serves as base for Data Set. Rack mounting available.
- Connectors:** No wiring necessary. **Input:** AMP Series M-So PIN A mating connector is provided with unit. **Output:** CINCH DB-19604-432 with hood provided for connection to modem meeting RS-232B.
- Compatibility:** Designed for use with Bell System's Data-phones and all other popular communications modems.



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REMOTE TERMINAL DEVICES

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